

Amendments to the Claims

Claim 1 (**Currently Amended**) A mobile terminal having a communication function, the mobile terminal comprising:

a detection section operable to detect an incoming or outgoing phone call;

an information acquisition section operable to acquire related information concerning an incoming or outgoing phone call in response to detection of the incoming or outgoing phone call by the detection section;

a device section operable to acquire environment information ~~concerning surroundings of the mobile terminal or a state of the mobile terminal~~ in response to detection of the incoming or outgoing phone call by the detection section, the environmental information being at least one of a still image of surroundings of the mobile terminal acquired with a camera, moving pictures of the surroundings of the mobile terminal acquired with a camera, sounds and soundscape of the surroundings of the mobile terminal acquired with a microphone, a channel which is being viewed in the mobile terminal acquired with an internal television tuner, and open/close information concerning at least one of a state of folding, rotating, and sliding of the mobile terminal acquired by the information acquisition section;

a history generation section operable to generate history information in which the related information acquired by the information acquisition section and the environment information acquired by the device section are kept in association with at least a telephone number of the incoming or outgoing phone call as a piece of the history information;

a history storing section operable to store the history information generated by the history generation section; and

a history notification section operable to notify a user of the mobile terminal of the related information and the environment information contained in the piece of the history information, in response to an incoming or outgoing phone call from or to the telephone number contained in the piece of the history information stored in the history storing section.

Claims 2-4 (**Canceled**)

Claim 5 (Previously Presented) The mobile terminal according to claim 15, wherein,
the history storing section is further operable to store information indicating whether or not the telephone number contained in the piece of the history information has been redialed, and
at a time of the incoming or outgoing phone call, the history notification section is operable to notify the user of the answering message associated with the piece of the history information containing the telephone number only if the telephone number has not yet been redialed.

Claim 6 (Previously Presented) The mobile terminal according to claim 15, wherein,
the message storing section is further operable to store alarm information specifying a time at which to notify with an alarm in connection with the answering message, and
the history notification section is operable to notify the user of the answering message associated with the piece of the history information which has reached the time specified by the alarm information.

Claim 7 (Previously Presented) The mobile terminal according to claim 5, wherein,
the message storing section is further operable to store alarm information specifying a time at which to notify with an alarm in connection with the answering message, and
the history notification section is operable to notify the user of the answering message associated with the piece of the history information which contains the telephone number that has not yet been redialed and which has reached the time specified by the alarm information.

Claim 8 (Previously Presented) The mobile terminal according to claim 5, wherein,
if a number of pieces of the history information stored in the history storing section exceeds a predetermined maximum number, the history notification section is operable to automatically delete a piece of the history information which contains an already redialed telephone number and which has an oldest time of reception/calling.

Claim 9 (Previously Presented) The mobile terminal according to claim 5, wherein,

when a piece of the history information which contains a telephone number that has not yet been redialed is nominated for deletion, the history notification section is operable to present a message to the user to seek an approval to delete the piece of the history information.

Claim 10 (Currently Amended) An incoming/outgoing call history management method for managing a communication history of a mobile terminal, the incoming/outgoing call history management method comprising:

detecting an incoming or outgoing phone call from or to another mobile terminal;

acquiring related information concerning an incoming or outgoing phone call in response to detection of the incoming or outgoing phone call;

~~acquiring environment information concerning surroundings of the mobile terminal or a state of the mobile terminal in response to detection of the incoming or outgoing phone call, the~~
environmental information being at least one of a still image of surroundings of the mobile terminal acquired with a camera, moving pictures of the surroundings of the mobile terminal acquired with a camera, sounds and soundscape of the surroundings of the mobile terminal acquired with a microphone, a channel which is being viewed in the mobile terminal acquired with an internal television tuner, and open/close information concerning at least one of a state of folding, rotating, and sliding of the mobile terminal acquired by the acquisition of the related information;

generating history information in which the related information and the environment information are kept in association with at least a telephone number of the incoming or outgoing phone call as a piece of the history information;

storing the generated history information; and

notifying a user of the mobile terminal of the related information and the environment information contained in the piece of the history information, in response to an incoming or outgoing phone call from or to the telephone number contained in the piece of the stored history information.

Claim 11 (**Currently Amended**) A program embodied on a computer readable medium for causing a mobile terminal to perform an incoming/outgoing call history management method for managing a communication history of the mobile terminal,

the program causing the mobile terminal to execute:

detecting an incoming or outgoing phone call from or to another mobile terminal;

acquiring related information concerning an incoming or outgoing phone call in response to detection of the incoming or outgoing phone call;

~~acquiring environment information concerning surroundings of the mobile terminal or a state of the mobile terminal in response to detection of the incoming or outgoing phone call, the~~
environmental information being at least one of a still image of surroundings of the mobile terminal acquired with a camera, moving pictures of the surroundings of the mobile terminal acquired with a camera, sounds and soundscape of the surroundings of the mobile terminal acquired with a microphone, a channel which is being viewed in the mobile terminal acquired with an internal television tuner, and open/close information concerning at least one of a state of folding, rotating, and sliding of the mobile terminal acquired by the acquisition of the related information;

generating history information in which the related information and the environment information are kept in association with at least a telephone number of the incoming or outgoing phone call as a piece of the history information;

storing the generated history information; and

notifying a user of the mobile terminal of the related information and the environment information contained in the piece of the history information, in response to an incoming or outgoing phone call from or to the telephone number contained in the piece of the stored history information.

Claim 12 (**Currently Amended**) A medium having recorded thereon a computer-readable program~~computer data signal embodied in a memory~~ for causing a mobile terminal to perform an incoming/outgoing call history management method for managing an incoming/outgoing call history of the mobile terminal,

~~the computer data signal comprising~~ program causing the mobile terminal to execute:

~~a detecting source code segment for detecting an incoming or outgoing phone call from or to another mobile terminal;~~

~~an acquiring source code segment for acquiring related information concerning an incoming or outgoing phone call in response to detection of the incoming or outgoing phone call;~~

~~a device section source code segment for acquiring environment information concerning surroundings of the mobile terminal or a state of the mobile terminal in response to detection of the incoming or outgoing phone call by the detecting source code segment~~call, the environmental information being at least one of a still image of surroundings of the mobile terminal acquired with a camera, moving pictures of the surroundings of the mobile terminal acquired with a camera, sounds and soundscape of the surroundings of the mobile terminal acquired with a microphone, a channel which is being viewed in the mobile terminal acquired with an internal television tuner, and open/close information concerning at least one of a state of folding, rotating, and sliding of the mobile terminal acquired by the acquisition of the related information;

a generating source code segment for generating history information in which the related information and the environment information are kept in association with at least a telephone number of the incoming or outgoing phone call as a piece of the history information;

a storing source code segment for storing the generated history information; and

a notifying source code segment for notifying a user of the mobile terminal of the related information and the environment information contained in the piece of the history information, in response to an incoming or outgoing phone call from or to the telephone number contained in the piece of the stored history information.

Claim 13 (Currently Amended) An integrated circuit for a mobile terminal having a communication function, the integrated circuit comprising circuitry functioning as:

a detection section operable to detect an incoming or outgoing phone call;

an information acquisition section operable to acquire related information concerning an incoming or outgoing phone call in response to detection of the incoming or outgoing phone call by the detection section;

a device section operable to acquire environment information ~~concerning surroundings of the mobile terminal or a state of the mobile terminal~~ in response to detection of the incoming or

outgoing phone call by the detection section, the environmental information being at least one of a still image of surroundings of the mobile terminal acquired with a camera, moving pictures of the surroundings of the mobile terminal acquired with a camera, sounds and soundscape of the surroundings of the mobile terminal acquired with a microphone, a channel which is being viewed in the mobile terminal acquired with an internal television tuner, and open/close information concerning at least one of a state of folding, rotating, and sliding of the mobile terminal acquired by the information acquisition section;

a history generation section operable to generate history information in which the related information acquired by the information acquisition section and the environment information acquired by the device section are kept in association with at least a telephone number of the incoming or outgoing phone call as a piece of the history information;

a history storing section operable to store the history information generated by the history generation section; and

a history notification section operable to notify to a user of the mobile terminal of the related information and the environment information contained in the piece of the history information, in response to an incoming or outgoing phone call from or to the telephone number contained in the piece of the history information stored in the history storing section.

Claim 14 (Canceled)

Claim 15 (Previously Presented) The mobile terminal according to claim 1, further comprising a message storing section operable to store a plurality of answering messages, wherein,

the information acquisition section is operable to acquire from the message storing section an answering message used to answer the incoming phone call as the related information, and

the history storing section is operable to store the answering message acquired by the information acquisition section in association with the telephone number of the incoming phone call.